FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Alumax Mill Products, Inc.

AUTHORIZING THE OPERATION OF
Alumax Mill Products – Texarkana
Secondary Smelting and Alloying of Aluminum

LOCATED AT
Bowie County, Texas
Latitude 33° 27' 3" Longitude 94° 8' 17"
Regulated Entity Number: RN100215250

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1413 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts RRR, SSSS, and ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter

113, Subchapter C, § 113.750, § 113.1020, and § 113.1090 respectively, which incorporate the 40 CFR Part 63 Subparts by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

  (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

  (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

   A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

   B. Title 40 CFR § 60.8 (relating to Performance Tests)

   C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

   D. Title 40 CFR § 60.12 (relating to Circumvention)

   E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

   F. Title 40 CFR § 60.14 (relating to Modification)

   G. Title 40 CFR § 60.15 (relating to Reconstruction)

   H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

7. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

   A. Are incorporated by reference into this permit as applicable requirements

   B. Shall be located with this operating permit

   C. Are not eligible for a permit shield

9. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

11. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

12. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Protection of Stratospheric Ozone

13. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
091	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
091A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
101	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
DF-51	DOME FURNACE	N/A	63RRR-1	40 CFR Part 63, Subpart RRR	No changing attributes.
GRPCAT250	SRIC ENGINES	CAT250A, CAT250B	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPDDDDD	BOILERS/STEAM GENERATORS/ STEAM GENERATING UNITS	AF-131, AF-141, AF-151, AF-161, AF-161A, AF-161B, AF-161C, AF-161D, B-181B	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPFL	FLUXERS	FL-1, FL-2	63RRR-1	40 CFR Part 63, Subpart RRR	No changing attributes.
GRPGC200	SRIC ENGINES	GNRC200A, GNRC200B	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPGC60	SRIC ENGINES	GNRC60A, GNRC60B	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPHF	HOLDING FURNACES	HF-61, HF-61A, HF-71	63RRR-1	40 CFR Part 63, Subpart RRR	No changing attributes.
GRPWF	WELL FURNACES	WF-31, WF-31A, WF-41, WF-41A	63RRR-1	40 CFR Part 63, Subpart RRR	No changing attributes.
JD4039D	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
PRO181	SURFACE COATING OPERATIONS	N/A	60TT-1	40 CFR Part 60, Subpart TT	No changing attributes.
PRO181	SURFACE COATING OPERATIONS	N/A	63SSSS-1	40 CFR Part 63, Subpart SSSS	No changing attributes.
PRO181A	SURFACE COATING OPERATIONS	N/A	60TT-1	40 CFR Part 60, Subpart TT	No changing attributes.
PRO181A	SURFACE COATING OPERATIONS	N/A	63SSSS-1	40 CFR Part 63, Subpart SSSS	No changing attributes.
RODECS	DECOATING/DELAQUERING/ DRYING SYSTEM	N/A	63RRR-1	40 CFR Part 63, Subpart RRR	No changing attributes.
SAPU	SECONDARY ALUMINUM PROCESSING UNIT	N/A	63RRR-1	40 CFR Part 63, Subpart RRR	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
091	EP	111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
091A	EP	111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
101	EP	111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DF-51	EU	63RRR-1	112(B) HAPS	40 CFR Part 63, Subpart RRR	§ 63.1505(a)-Table1 § 63.1501(a) § 63.1505(a) § 63.1506(a)(1) § 63.1506(a)(4) § 63.1506(a)(4)-Table2 § 63.1506(a)(5) § 63.1506(b) § 63.1506(b)(1) § 63.1506(b)(2) [G]§ 63.1506(o) § 63.1506(p)	The owner or operator of a new or existing clean furnace (group 2) shall melt, hold or process clean charge only and not perform reactive fluxing.	§ 63.1510(a) § 63.1510(a)-Table3 [G]§ 63.1510(b) § 63.1510(c) [G]§ 63.1510(e) [G]§ 63.1510(r)	§ 63.1510(a) § 63.1510(a)-Table3 § 63.1510(e) § 63.1510(r) § 63.1510(r)(1) [G]§ 63.1517(a) § 63.1517(b) § 63.1517(b)(12) § 63.1517(b)(13) § 63.1517(b)(16) § 63.1517(b)(16)(ii) [G]§ 63.1517(b)(18) [G]§ 63.1517(b)(19)	[G]§ 63.1510(b) § 63.1510(r) § 63.1510(r)(2) § 63.1512(r) § 63.1515(b) § 63.1515(b)(3) § 63.1515(b)(4) § 63.1515(b)(9) § 63.1516(b) § 63.1516(b)(1) § 63.1516(b)(1)(iv) § 63.1516(b)(1)(vi) § 63.1516(b)(2) § 63.1516(b)(2)(v) [G]§ 63.1516(c) § 63.1516(d) § 63.1516(e)
GRPCAT250	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRPDDDDD	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPFL	EU	63RRR-1	HCl, PM	40 CFR Part 63, Subpart RRR	§ 63.1505(a)-Table1 § 63.1501(a) § 63.1505(a) § 63.1505(j) § 63.1505(j)(1) § 63.1505(j)(2) § 63.1505(j)(5) § 63.1506(a)(1) § 63.1506(a)(4) § 63.1506(a)(4)-Table2 § 63.1506(a)(5) § 63.1506(b) § 63.1506(b)(1) § 63.1506(b)(2) [G]§ 63.1506(d) § 63.1506(p)	The owner or operator of a new or existing in-line fluxer must comply with limits of 0.04 pounds of HCl per ton of feed, and 0.01 pounds of PM per ton of feed.	[G]§ 63.1506(d) § 63.1510(a) § 63.1510(a)-Table3 [G]§ 63.1510(b) § 63.1510(c) [G]§ 63.1510(e) § 63.1510(j) [G]§ 63.1510(j)(1) § 63.1510(j)(2) [G]§ 63.1510(j)(3) § 63.1510(j)(4) § 63.1510(w) § 63.1512(h) § 63.1512(h)(2) [G]§ 63.1512(o)	§ 63.1506(d) § 63.1506(d)(1) [G]§ 63.1506(d)(3) § 63.1510(a) § 63.1510(a)-Table3 § 63.1510(e) § 63.1510(j) § 63.1510(j)(1) § 63.1510(j)(1)(i) § 63.1510(j)(2) [G]§ 63.1510(j)(3) § 63.1510(j)(4) [G]§ 63.1517(a) § 63.1517(b) § 63.1517(b)(13) § 63.1517(b)(16) § 63.1517(b)(16)(ii) [G]§ 63.1517(b)(18) [G]§ 63.1517(b)(19) § 63.1517(b)(5) § 63.1517(b)(7)	[G]§ 63.1510(b) § 63.1512(r) § 63.1515(b) § 63.1515(b)(3) § 63.1515(b)(4) § 63.1515(b)(9) § 63.1516(b) § 63.1516(b)(1) § 63.1516(b)(1)(iv) § 63.1516(b)(1)(vi) [G]§ 63.1516(c) § 63.1516(d) § 63.1516(e)
GRPGC200	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPGC60	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRPHF	EU	63RRR-1	PM, HF, HCl, D/F	40 CFR Part 63, Subpart RRR	§ 63.1505(a)-Table1 § 63.1501(a) § 63.1505(a) § 63.1505(i) § 63.1505(i)(1) § 63.1505(i)(3) § 63.1505(i)(4) § 63.1505(i)(6) § 63.1506(a)(1) § 63.1506(a)(4) § 63.1506(a)(4)-Table2 § 63.1506(a)(5) § 63.1506(b) § 63.1506(b)(1) § 63.1506(b)(2) [G]§ 63.1506(d) [G]§ 63.1506(n) § 63.1506(p)	The owner or operator of a new or existing uncontrolled group 1 furnace (other than melting/holding furnaces processing only clean charge) must comply with limits of 0.40 pounds of PM per ton of feed, 0.40 pounds of HF per ton of feed, 0.40 pounds of HCl per ton of feed, and 15.0 micrograms of D/F TEQ (as defined in § 63.1503) per megagram of feed.	[G]§ 63.1506(d) § 63.1510(a) § 63.1510(a)-Table3 [G]§ 63.1510(b) § 63.1510(c) [G]§ 63.1510(e) § 63.1510(j) [G]§ 63.1510(j)(1) § 63.1510(j)(2) [G]§ 63.1510(j)(3) § 63.1510(j)(4) § 63.1510(o) [G]§ 63.1510(o)(1) § 63.1510(o)(2) § 63.1510(o)(3) § 63.1510(w) § 63.1511(a) § 63.1511(b) § 63.1511(b)(1) [G]§ 63.1511(b)(3) § 63.1511(b)(5) § 63.1511(b)(6) § 63.1511(b)(7) [G]§ 63.1511(c) § 63.1511(e) § 63.1511(f) [G]§ 63.1511(g) § 63.1512(e)	§ 63.1506(d) § 63.1506(d)(1) [G]§ 63.1506(d)(3) § 63.1510(a) § 63.1510(a)-Table3 § 63.1510(e) § 63.1510(j) § 63.1510(j)(1) § 63.1510(j)(1)(i) § 63.1510(j)(2) [G]§ 63.1510(j)(3) § 63.1510(j)(4) § 63.1512(k) § 63.1512(o) § 63.1512(o)(1) § 63.1512(o)(2) [G]§ 63.1517(a) § 63.1517(b) § 63.1517(b)(13) § 63.1517(b)(16) § 63.1517(b)(16)(ii) [G]§ 63.1517(b)(18) [G]§ 63.1517(b)(19) § 63.1517(b)(5) § 63.1517(b)(7) § 63.1517(b)(8)	[G]§ 63.1510(b) § 63.1510(o) § 63.1510(o)(1) § 63.1510(o)(1)(i) § 63.1511(b) § 63.1511(g) § 63.1512(r) § 63.1515(b) § 63.1515(b)(1) § 63.1515(b)(3) § 63.1515(b)(4) § 63.1515(b)(9) § 63.1516(b) § 63.1516(b)(1) § 63.1516(b)(1)(iv) § 63.1516(b)(1)(vi) § 63.1516(b)(2) [G]§ 63.1516(b)(3) § 63.1516(b)(4) [G]§ 63.1516(c) § 63.1516(d) § 63.1516(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1512(e)(2) § 63.1512(e)(3) [G]§ 63.1512(e)(4) [G]§ 63.1512(e)(6) [G]§ 63.1512(e)(7) § 63.1512(k) [G]§ 63.1512(o)		
GRPWF	EU	63RRR-1	PM, HCl, D/F	40 CFR Part 63, Subpart RRR	§ 63.1505(a)-Table1 § 63.1501(a) § 63.1505(a) § 63.1505(i) § 63.1505(i)(1) § 63.1505(i)(3) § 63.1505(i)(4) § 63.1505(i)(6) § 63.1506(a)(1) § 63.1506(a)(4) § 63.1506(a)(4)-Table2 § 63.1506(a)(5) § 63.1506(b) § 63.1506(b)(1) § 63.1506(b)(2) [G]§ 63.1506(c) [G]§ 63.1506(d) § 63.1506(m) [G]§ 63.1506(m)(1) § 63.1506(m)(3) § 63.1506(m)(4) § 63.1506(m)(5) [G]§ 63.1506(m)(6) § 63.1506(m)(7) § 63.1506(p)	The owner or operator of a new or existing controlled group 1 furnace (other than melting/holding furnaces processing only clean charge) must comply with limits of 0.40 pounds of PM per ton of feed, 0.40 pounds of HCl per ton of feed or 10 percent of the HCl upstream of the add-on control device, and 15.0 micrograms of D/F TEQ (as defined in § 63.1503) per megagram of feed.	[G]§ 63.1506(d) § 63.1510(a) § 63.1510(a)-Table3 [G]§ 63.1510(b) § 63.1510(c) § 63.1510(d) § 63.1510(d)(1) [G]§ 63.1510(d)(2) [G]§ 63.1510(e) § 63.1510(f) [G]§ 63.1510(f)(1) [G]§ 63.1510(h) § 63.1510(i) § 63.1510(i)(1) § 63.1510(i)(1)(i) § 63.1510(i)(2) § 63.1510(i)(4) § 63.1510(j) [G]§ 63.1510(j)(1) § 63.1510(j)(2) [G]§ 63.1510(j)(3) § 63.1510(j)(4) [G]§ 63.1510(n) § 63.1511(a) § 63.1511(b) § 63.1511(b)(1) [G]§ 63.1511(b)(3) § 63.1511(b)(4) § 63.1511(b)(5) § 63.1511(b)(6) § 63.1511(b)(7) [G]§ 63.1511(c)	§ 63.1506(d) § 63.1506(d)(1) [G]§ 63.1506(d)(3) § 63.1510(a) § 63.1510(a)-Table3 § 63.1510(d) § 63.1510(d)(2) § 63.1510(e) § 63.1510(f) § 63.1510(f)(1) § 63.1510(f)(1)(v) § 63.1510(h) § 63.1510(h)(1) § 63.1510(h)(2) § 63.1510(h)(2)(i) § 63.1510(i) § 63.1510(i)(1) § 63.1510(i)(2) § 63.1510(i)(4) § 63.1510(j) § 63.1510(j)(1) § 63.1510(j)(1)(i) [G]§ 63.1510(j)(3) § 63.1510(j)(4) § 63.1510(n) § 63.1510(n)(1) § 63.1512(k) [G]§ 63.1512(n) § 63.1512(o) § 63.1512(o)(1) § 63.1512(o)(2) § 63.1512(p)	[G]§ 63.1510(b) § 63.1510(i) § 63.1510(i)(4) § 63.1510(n) § 63.1510(n)(2) § 63.1512(q) § 63.1512(r) § 63.1512(s) § 63.1515(b) § 63.1515(b)(1) § 63.1515(b)(3) § 63.1515(b)(4) § 63.1515(b)(5) § 63.1515(b)(6) § 63.1515(b)(9) § 63.1516(b) § 63.1516(b)(1) § 63.1516(b)(1)(i) § 63.1516(b)(1)(iv) § 63.1516(b)(1)(vi) § 63.1516(b)(2) § 63.1516(b)(2)(iii) [G]§ 63.1516(b)(3) § 63.1516(b)(4) [G]§ 63.1516(c) § 63.1516(d) § 63.1516(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1511(e) [G]§ 63.1511(g) § 63.1512(d) § 63.1512(d)(1) § 63.1512(k) [G]§ 63.1512(n) [G]§ 63.1512(o) [G]§ 63.1512(p) [G]§ 63.1513(b) § 63.1513(d)	§ 63.1512(p)(2) [G]§ 63.1517(a) § 63.1517(b) § 63.1517(b)(1) § 63.1517(b)(1)(i) § 63.1517(b)(10) § 63.1517(b)(13) § 63.1517(b)(14) § 63.1517(b)(16) § 63.1517(b)(16)(ii) [G]§ 63.1517(b)(18) [G]§ 63.1517(b)(19) § 63.1517(b)(3) § 63.1517(b)(4) § 63.1517(b)(4)(i) § 63.1517(b)(4)(ii) § 63.1517(b)(5) § 63.1517(b)(7)	
JD4039D	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
PRO181	EU	60TT-1	VOC	40 CFR Part 60, Subpart TT	§ 60.462(a)(3)	On/after §60.8 tests, each facility that continuously uses control(s) operated at the most recent efficiency shall not discharge >10% of the VOC's applied for each month (90 percent reduction).	§ 60.463(a) § 60.463(b) [G]§ 60.463(c)(2) § 60.464(c) [G]§ 60.466	§ 60.464(c) § 60.465(c) § 60.465(e)	§ 60.465(b) § 60.465(b)(1) § 60.465(b)(2) § 60.465(c) § 60.465(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO181	EU	63SSSS-1	112(B) HAPS	40 CFR Part 63, Subpart SSSS	§ 63.5120(a)(1) § 63.5120(a) § 63.5120(b) § 63.5121(a) § 63.5130(a) § 63.5130(d) § 63.5130(e) [G]§ 63.5140	Each coil coating affected source must limit organic HAP emissions to no more than 2 percent of the organic HAP applied for each month during each 12-month compliance period (98 percent reduction).	§ 63.5150(a) § 63.5150(a)(3) § 63.5150(a)(3)(i) § 63.5150(a)(3)(ii) [G]§ 63.5150(a)(4) § 63.5150(b) § 63.5160(d) § 63.5160(d)(1) § 63.5160(d)(1)(i) § 63.5160(d)(1)(ii) § 63.5160(d)(1)(iii) § 63.5160(d)(1)(iv) § 63.5160(d)(1)(ix) § 63.5160(d)(1)(v) § 63.5160(d)(1)(vi) § 63.5160(d)(1)(vi)(D) § 63.5160(d)(1)(vii) § 63.5160(d)(1)(viii) § 63.5160(d)(1)(x) § 63.5160(d)(2) [G]§ 63.5160(d)(3) § 63.5160(e) § 63.5160(e)(1) § 63.5170 § 63.5170(c) [G]§ 63.5170(i)	§ 63.5160(d)(2) § 63.5160(d)(3) [G]§ 63.5160(d)(3)(i) § 63.5190(a) § 63.5190(a)(1) § 63.5190(a)(2) § 63.5190(a)(2)(ii) § 63.5190(a)(2)(v) § 63.5190(a)(3)	§ 63.5180(a) § 63.5180(b) § 63.5180(b)(1) § 63.5180(c) § 63.5180(d) § 63.5180(e) [G]§ 63.5180(f) [G]§ 63.5180(g) [G]§ 63.5180(h)
PRO181A	EU	60TT-1	VOC	40 CFR Part 60, Subpart TT	§ 60.462(a)(3)	On/after §60.8 tests, each facility that continuously uses control(s) operated at the most recent efficiency shall not discharge >10% of the VOC's applied for each month (90 percent reduction).	§ 60.463(a) § 60.463(b) [G]§ 60.463(c)(2) § 60.464(c) [G]§ 60.466	§ 60.464(c) § 60.465(c) § 60.465(e)	§ 60.465(b) § 60.465(b)(1) § 60.465(b)(2) § 60.465(c) § 60.465(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO181A	EU	63SSSS-1	112(B) HAPS	40 CFR Part 63, Subpart SSSS	§ 63.5120(a)(1) § 63.5120(a) § 63.5120(b) § 63.5121(a) § 63.5130(a) § 63.5130(d) § 63.5130(e) [G]§ 63.5140	Each coil coating affected source must limit organic HAP emissions to no more than 2 percent of the organic HAP applied for each month during each 12-month compliance period (98 percent reduction).	§ 63.5150(a) § 63.5150(a)(3) § 63.5150(a)(3)(i) § 63.5150(a)(3)(ii) [G]§ 63.5150(a)(4) § 63.5150(b) § 63.5160(d) § 63.5160(d)(1) § 63.5160(d)(1)(i) § 63.5160(d)(1)(ii) § 63.5160(d)(1)(iii) § 63.5160(d)(1)(iv) § 63.5160(d)(1)(ix) § 63.5160(d)(1)(v) § 63.5160(d)(1)(vi) § 63.5160(d)(1)(vi)(D) § 63.5160(d)(1)(vii) § 63.5160(d)(1)(viii) § 63.5160(d)(1)(x) § 63.5160(d)(2) [G]§ 63.5160(d)(3) § 63.5160(e) § 63.5160(e)(1) § 63.5170 § 63.5170(c) [G]§ 63.5170(i)	§ 63.5160(d)(2) § 63.5160(d)(3) [G]§ 63.5160(d)(3)(i) § 63.5190(a) § 63.5190(a)(1) § 63.5190(a)(2) § 63.5190(a)(2)(ii) § 63.5190(a)(2)(v) § 63.5190(a)(3)	§ 63.5180(a) § 63.5180(b) § 63.5180(b)(1) § 63.5180(c) § 63.5180(d) § 63.5180(e) [G]§ 63.5180(f) [G]§ 63.5180(g) [G]§ 63.5180(h)
RODECS	EU	63RRR-1	PM, HCl, THC, D/F	40 CFR Part 63, Subpart RRR	§ 63.1505(a)-Table1 § 63.1501(a) § 63.1505(a) § 63.1505(e) [G]§ 63.1505(e)(1) § 63.1506(a)(1) § 63.1506(a)(4) § 63.1506(a)(4)-Table2 § 63.1506(a)(5) [G]§ 63.1506(b) [G]§ 63.1506(c) [G]§ 63.1506(d)	The owner or operator of a new or existing scrap dryer/delacquering kiln/decoating kiln that chooses to comply with alternative limits for a system equipped with an afterburner that has a design residence time of at least 1 second and operates at a temperature of at least 1400 degrees F	[G]§ 63.1506(d) § 63.1510(a) § 63.1510(a)-Table3 [G]§ 63.1510(b) § 63.1510(c) § 63.1510(d) § 63.1510(d)(1) [G]§ 63.1510(d)(2) [G]§ 63.1510(e) § 63.1510(f) [G]§ 63.1510(f)(1) [G]§ 63.1510(g)	§ 63.1506(d) § 63.1506(d)(1) § 63.1506(d)(3) § 63.1510(a) § 63.1510(a)-Table3 § 63.1510(d) § 63.1510(d)(2) § 63.1510(e) § 63.1510(f) § 63.1510(f)(1) § 63.1510(f)(1)(v) § 63.1510(g)	[G]§ 63.1510(b) § 63.1511(a) § 63.1511(b) § 63.1511(g) § 63.1512(c) § 63.1512(c)(2) § 63.1512(q) § 63.1512(r) § 63.1512(s) § 63.1515(b) § 63.1515(b)(1) § 63.1515(b)(2)

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					§ 63.1506(g) [G]§ 63.1506(g)(1) [G]§ 63.1506(g)(2) § 63.1506(g)(4) § 63.1506(g)(5) § 63.1506(p)	must comply with limits of 0.30 pounds of PM per ton of feed, 1.50 pounds of HCl per ton of feed, 0.20 pounds of THC per ton of feed, and 5.0 micrograms of D/F TEQ (as defined in § 63.1503) per megagram of feed.	[G]§ 63.1510(h) § 63.1510(i) § 63.1510(i)(1) § 63.1510(i)(1)(i) § 63.1510(i)(4) § 63.1511(a) § 63.1511(b) § 63.1511(b)(1) [G]§ 63.1511(b)(3) § 63.1511(b)(5) § 63.1511(b)(6) § 63.1511(b)(7) [G]§ 63.1511(c) § 63.1511(e) [G]§ 63.1511(g) [G]§ 63.1512(c) § 63.1512(k) [G]§ 63.1512(m) [G]§ 63.1512(n) [G]§ 63.1512(p) [G]§ 63.1513(b) § 63.1513(d)	§ 63.1510(g)(1) § 63.1510(g)(2) § 63.1510(g)(2)(ii) [G]§ 63.1510(g)(3) § 63.1510(h) § 63.1510(h)(1) § 63.1510(h)(2) § 63.1510(h)(2)(i) § 63.1510(i) § 63.1510(i)(1) § 63.1510(i)(1)(i) § 63.1510(i)(2) § 63.1510(i)(4) § 63.1512(k) § 63.1512(m) [G]§ 63.1512(m)(2) [G]§ 63.1512(n) § 63.1512(p) § 63.1512(p)(2) [G]§ 63.1517(a) § 63.1517(b) § 63.1517(b)(1) § 63.1517(b)(1)(i) § 63.1517(b)(13) § 63.1517(b)(14) § 63.1517(b)(16) § 63.1517(b)(16)(ii) [G]§ 63.1517(b)(18) [G]§ 63.1517(b)(19) [G]§ 63.1517(b)(2) § 63.1517(b)(3) § 63.1517(b)(4) § 63.1517(b)(4)(i) § 63.1517(b)(6) § 63.1517(b)(7)	§ 63.1515(b)(3) § 63.1515(b)(4) § 63.1515(b)(5) § 63.1515(b)(6) § 63.1515(b)(7) § 63.1515(b)(9) § 63.1516(b) § 63.1516(b)(1) § 63.1516(b)(1)(i) § 63.1516(b)(1)(iv) § 63.1516(b)(1)(vi) [G]§ 63.1516(b)(3) § 63.1516(b)(4) [G]§ 63.1516(c) § 63.1516(d) § 63.1516(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SAPU	EU	63RRR-1	PM, HF, HCl, D/F	40 CFR Part 63, Subpart RRR	§ 63.1505(a)-Table1 § 63.1501(a) § 63.1505(a) § 63.1505(k) § 63.1505(k)(4) § 63.1506(p)	The owner or operator of a new or existing secondary aluminum processing unit subject to the emission limits calculated using the equations in Table 1 may choose to demonstrate compliance with emission limits for each group 1 furnace and in-line fluxer at the facility.	[G]§ 63.1510(s) § 63.1510(u) [G]§ 63.1512(j) § 63.1512(k)	§ 63.1512(k) [G]§ 63.1517(a) § 63.1517(b) § 63.1517(b)(17) [G]§ 63.1517(b)(18) [G]§ 63.1517(b)(19)	§ 63.1515(b) § 63.1515(b)(9) § 63.1516(b) § 63.1516(b)(1) § 63.1516(b)(1)(vii) [G]§ 63.1516(c) § 63.1516(d) § 63.1516(e)

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 091	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions or 15% Opacity	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. This observation of stationary vents from this emission unit shall be conducted at least once per week unless the emission unit is not operating for the entire week. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 091A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions or 15% Opacity	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. This observation of stationary vents from this emission unit shall be conducted at least once per week unless the emission unit is not operating for the entire week. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 101	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions or 15% Opacity	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. This observation of stationary vents from this emission unit shall be conducted at least once per week unless the emission unit is not operating for the entire week. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX886M1	Issuance Date: 07/12/2017
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 9476	Issuance Date: 07/12/2017
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.266	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
091A	PREHEAT FURNACE 3	9476, PSDTX886M1
091	PREHEAT FURNACE 1	9476, PSDTX886M1
101	PREHEAT FURNACE 2	9476, PSDTX886M1
AF-131	ANNEALING FURNACE NO. 1	9476, PSDTX886M1
AF-141	ANNEALING FURNACE NO. 2	9476, PSDTX886M1
AF-151	ANNEALING FURNACE NO. 3	9476, PSDTX886M1
AF-161A	ANNEALING FURNACE NO. 5	9476, PSDTX886M1
AF-161	ANNEALING FURNACE NO. 4	9476, PSDTX886M1
AF-161B	ANNEALING FURNACE NO. 6	9476, PSDTX886M1
AF-161C	ANNEALING FURNACE NO. 7	9476, PSDTX886M1
AF-161D	ANNEALING FURNACE NO. 8	9476, PSDTX886M1
B-181B	COATING LINE HOT WATER HEATER/BOILER	106.183/06/18/1997
CAT250A	CATERPILLAR 250 HP FIRE PUMP ENGINE (DIESEL)	106.511/03/14/1997
CAT250B	CATERPILLAR 250 HP FIRE PUMP ENGINE (DIESEL)	106.511/03/14/1997
DF-51	DOME FURNACE	9476, PSDTX886M1
FL-1	FLUXER-1	9476, PSDTX886M1
FL-2	FLUXER-2	9476, PSDTX886M1
GNRC200A	GENERAC 200 KW GENERATOR ENGINE (NAT GAS)	106.511/03/14/1997
GNRC200B	GENERAC 200 KW GENERATOR ENGINE (NAT GAS)	106.511/03/14/1997
GNRC60A	GENERAC 60 KW GENERATOR ENGINE (DIESEL)	106.511/03/14/1997
GNRC60B	GENERAC 60 KW GENERATOR ENGINE (DIESEL)	106.511/03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
HF-61A	HOLDING FURNACE NO 4	9476, PSDTX886M1
HF-61	HOLDING FURNACE NO 1	9476, PSDTX886M1
HF-71	HOLDING FURNACE NO 2	9476, PSDTX886M1
JD4039D	JOHN DEERE 58 HP GENERATOR ENGINE (DIESEL)	106.511/03/14/1997
PRO181A	COIL COATING PROCESS - PRIME COAT	9476, PSDTX886M1
PRO181	COIL COATING PROCESS - FINISH COAT	9476, PSDTX886M1
RODECS	RODECS DELACQUERING SYSTEM	9476, PSDTX886M1
SAPU	SECONDARY ALUMINUM PROCESSING UNIT	9476, PSDTX886M1
WF-31A	SIDE WELL FURNACE-3	9476, PSDTX886M1
WF-31	SIDE WELL FURNACE-1	9476, PSDTX886M1
WF-41A	SIDE WELL FURNACE-4	9476, PSDTX886M1
WF-41	SIDE WELL FURNACE-2	9476, PSDTX886M1

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/F ..... dioxins/furans
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
HCl ..... hydrochloric acid
HF ..... hydrogen fluoride
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
THC ..... total hydrocarbon
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
001	RODECS Baghouse Stack	PM	0.46	1.32	4, 28, 34, 35, 41, 42	4, 17, 28, 34, 35, 41, 43, 44	4, 41
		PM_{10}	0.46	1.32			
		$PM_{2.5}$	0.46	1.32			
		VOC	0.31	0.88			
		NO_x	4.01	11.43			
		SO_2	0.02	0.08			
		CO	2.47	10.82			
		HCl	1.54	4.40			
		D/F	1.54E-08	4.94E-08			
011	Well Furnace Hood Baghouse No. 1 Stack	PM	4.29	18.77	4, 34, 41	4, 34, 41, 43, 44	4, 41
		PM_{10}	4.29	18.77			
		$PM_{2.5}$	4.29	18.77			
		HCl	0.25	1.10			
		HF	0.01	0.04			
		Pb	0.04	0.14			
		Cr	<0.01	0.01			
		D/F	2.28E-07	9.99E-07			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
011A	Well Furnace Hood Baghouse No. 2 Stack	PM	2.60	11.39	4, 34, 41	4, 34, 41, 43, 44	4, 41
		PM_{10}	2.60	11.39			
		$PM_{2.5}$	2.60	11.39			
		HCl	0.25	1.10			
		HF	0.01	0.04			
		Pb	0.04	0.14			
		Cr	<0.01	0.01			
		D/F	2.28E-07	9.99E-07			
026	Sow Dryer Stack	PM	0.07	0.31		43	
		PM_{10}	0.07	0.31			
		$PM_{2.5}$	0.07	0.31			
		NO_x	0.95	4.14			
		CO	0.79	3.47			
		VOC	0.05	0.23			
		SO_2	<0.01	<0.03			
031	Well Furnace No. 1 Stack	PM	1.31	5.74	4	4. 43	4
		PM_{10}	1.31	5.74			
		$PM_{2.5}$	1.31	5.74			
		VOC	0.50	2.19			
		NO_x	1.87	8.19			
		SO_2	0.20	0.88			
		CO	2.88	12.61			
		HCl	0.05	0.22			
		HF	<0.01	0.02			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
031A	Well Furnace No. 3 Stack	PM	1.31	5.74	4	4, 43	4
		PM_{10}	1.31	5.74			
		$PM_{2.5}$	1.31	5.74			
		VOC	0.50	2.19			
		NO_x	1.87	8.19			
		SO_2	0.20	0.88			
		CO	2.88	12.61			
		HCl	0.05	0.22			
		HF	<0.01	0.02			
041	Well Furnace No. 2 Stack	PM	1.31	5.74	4	4, 43	4
		PM_{10}	1.31	5.74			
		$PM_{2.5}$	1.31	5.74			
		VOC	0.50	2.19			
		NO_x	1.87	8.19			
		SO_2	0.20	0.88			
		CO	2.88	12.61			
		HCl	0.05	0.22			
		HF	<0.01	0.02			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
041A	Well Furnace No. 4 Stack	PM	1.31	5.74	4	4, 43	4
		PM_{10}	1.31	5.74			
		$PM_{2.5}$	1.31	5.74			
		VOC	0.50	2.19			
		NO_x	1.87	8.19			
		SO_2	0.20	0.88			
		CO	2.88	12.61			
		HCl	0.05	0.22			
		HF	<0.01	0.02			
051	Dome Furnace Stack	PM	9.11	39.90	4	4, 43	4
		PM_{10}	9.11	39.90			
		$PM_{2.5}$	9.11	39.90			
		VOC	0.19	0.83			
		NO_x	2.44	10.69			
		SO_2	0.02	0.09			
		CO	2.49	10.91			
061	Holding Furnace No. 1 Stack	PM	0.44	1.93	4	4, 43	4
		PM_{10}	0.44	1.93			
		$PM_{2.5}$	0.44	1.93			
		VOC	0.04	0.17			
		NO_x	0.98	4.29			
		SO_2	<0.01	0.02			
		CO	0.58	2.52			
		HCl	1.00	4.38			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
061A	Holding Furnace No. 3 Stack	PM	0.44	1.93	4	4, 43	4
		PM_{10}	0.44	1.93			
		$PM_{2.5}$	0.44	1.93			
		VOC	0.04	0.17			
		NO_x	0.98	4.29			
		SO_2	<0.01	0.02			
		CO	0.58	2.52			
		HCl	1.00	4.38			
071	Holding Furnace No. 2 Stack	PM	0.44	1.93	4	4, 43	4
		PM_{10}	0.44	1.93			
		$PM_{2.5}$	0.44	1.93			
		VOC	0.04	0.17			
		NO_x	0.98	4.29			
		SO_2	<0.01	0.02			
		CO	0.58	2.52			
		HCl	1.00	4.38			
076	Casting Area Cooling Tower Fugitives (5)	PM	0.20	0.88		43	
		PM_{10}	0.20	0.88			
		$PM_{2.5}$	0.20	0.88			
		VOC	<0.01	<0.01			
081	Scalper Baghouse Stack	PM	0.20	0.87		43	
		PM_{10}	0.20	0.87			
		$PM_{2.5}$	0.20	0.87			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
091	Preheat Furnace No. 1 Stack	PM	0.84	3.68		43	
		PM_{10}	0.84	3.68			
		$PM_{2.5}$	0.84	3.68			
		VOC	0.35	1.54			
		NO_x	6.37	27.91			
		SO_2	0.04	0.17			
		CO	5.35	23.45			
091A	Preheat Furnace No. 3 Stack	PM	0.84	3.68		43	
		PM_{10}	0.84	3.68			
		$PM_{2.5}$	0.84	3.68			
		VOC	0.26	1.13			
		NO_x	3.19	13.96			
		SO_2	0.03	0.12			
		CO	3.52	15.42			
101	Preheat Furnace No. 2 Stack	PM	0.84	3.68		43	
		PM_{10}	0.84	3.68			
		$PM_{2.5}$	0.84	3.68			
		VOC	0.13	0.57			
		NO_x	1.60	7.01			
		SO_2	0.04	0.17			
		CO	1.14	4.99			
111	Hot Rolling Mill Stack	PM	3.00	13.14		8, 43	
		PM_{10}	3.00	13.14			
		$PM_{2.5}$	3.00	13.14			
		VOC	8.00	35.04			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
116	Hot Mill Cooling Tower Fugitives (5)	PM	0.78	3.41		43	
		PM_{10}	0.78	3.41			
		$PM_{2.5}$	0.78	3.41			
		VOC	<0.01	<0.01			
121	Cold Rolling Mill Stack	PM	3.00	13.14	38, 41	8, 38, 41, 43, 44	41
		PM_{10}	3.00	13.14			
		$PM_{2.5}$	3.00	13.14			
		VOC	34.78	152.34			
131	Annealing Furnace No. 1 Stack	PM	0.13	0.55	4	4, 43	4
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.13	0.55			
		VOC	1.42	2.15			
		NO_x	0.50	2.19			
		SO_2	0.01	0.04			
		CO	1.38	6.06			
141	Annealing Furnace No. 2 Stack	PM	0.13	0.55	4	4, 43	4
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.13	0.55			
		VOC	1.42	2.15			
		NO_x	0.50	2.19			
		SO_2	0.01	0.04			
		CO	1.38	6.06			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
151	Annealing Furnace No. 3 Stack	PM	0.13	0.55	4	4, 43	4
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.13	0.55			
		VOC	1.42	2.15			
		NO_x	0.50	2.19			
		SO_2	0.01	0.04			
		CO	1.38	6.06			
161	Annealing Furnace No. 4 Stack	PM	0.13	0.55	4	4, 43	4
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.13	0.55			
		VOC	1.42	2.15			
		NO_x	0.50	2.19			
		SO_2	0.01	0.04			
		CO	1.38	6.06			
161A	Annealing Furnace No. 5 Stack	PM	0.13	0.55	4	4, 43	4
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.13	0.55			
		VOC	1.42	2.15			
		NO_x	0.50	2.19			
		SO_2	0.01	0.04			
		CO	1.38	6.06			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
161B	Annealing Furnace No. 6 Stack	PM	0.13	0.55	4	4, 43	4
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.13	0.55			
		VOC	1.42	2.15			
		NO_x	0.50	2.19			
		SO_2	0.01	0.04			
		CO	1.38	6.06			
161C	Annealing Furnace No. 7 Stack	PM	0.17	0.73	4	4, 43	4
		PM_{10}	0.17	0.73			
		$PM_{2.5}$	0.17	0.73			
		VOC	1.45	2.28			
		NO_x	0.67	2.92			
		SO_2	0.01	0.06			
		CO	1.85	8.08			
161D	Annealing Furnace No. 8 Stack	PM	0.17	0.73	4	4, 43	4
		PM_{10}	0.17	0.73			
		$PM_{2.5}$	0.17	0.73			
		VOC	1.45	2.28			
		NO_x	0.67	2.92			
		SO_2	0.01	0.06			
		CO	1.85	8.08			

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
181	Top (Finish) Coat Thermal Oxidizer Stack	PM	0.26	1.14	3, 4, 28, 33, 36, 41	3, 4, 28, 33, 36, 41, 43, 44	3, 4, 33, 41
		PM_{10}	0.26	1.14			
		$PM_{2.5}$	0.26	1.14			
		VOC	11.90	52.12			
		NO_x	3.43	15.03			
		SO_2	0.02	0.09			
		CO	2.88	12.62			
181A	Primer Coat Thermal Oxidizer Stack	PM	0.26	1.14	3, 4, 28, 33, 37, 41	3, 4, 28, 33, 37, 41, 43, 44	3, 4, 33, 41
		PM_{10}	0.26	1.14			
		$PM_{2.5}$	0.26	1.14			
		VOC	8.60	24.53			
		NO_x	3.43	15.03			
		SO_2	0.02	0.09			
		CO	2.88	12.62			
181B	Heater Vent	PM	0.08	0.35		43	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.08	0.35			
		VOC	0.06	0.25			
		NO_x	1.05	4.59			
		SO_2	0.01	0.03			
		CO	0.88	3.85			

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/ hour	**TPY(4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
181C	Hot Mill Sentry Stack	PM	0.01	0.05		43	
		PM_{10}	0.01	0.05			
		$PM_{2.5}$	0.01	0.05			
		VOC	<0.01	<0.04			
		NO_x	0.14	0.60			
		SO_2	<0.001	<0.01			
		CO	0.12	0.51			
181D	Strip Dryer Heater Stack	PM	0.01	0.09		43	
		PM_{10}	0.01	0.09			
		$PM_{2.5}$	0.01	0.09			
		VOC	0.01	0.04			
		NO_x	0.15	0.64			
		SO_2	<0.01	<0.01			
		CO	0.12	0.54			
182	Rubber Roll Shop Baghouse Stack	PM	0.01	0.05		43	
		PM_{10}	0.01	0.05			
		$PM_{2.5}$	0.01	0.05			
		Cr	<0.01	<0.01			
183	Dross Loading Fugitives (5)	PM	0.02	0.07		43	
		PM_{10}	0.01	0.03			
		$PM_{2.5}$	<0.01	<0.01			
TNK191A	Cold Mill Coolant Tank No. 1 Vent	VOC	0.44	0.01		43	
TNK191B	Cold Mill Coolant Tank No. 2 Vent	VOC	0.44	0.01		43	
TNK191C	Cold Mill Coolant Tank No. 3 Vent	VOC	0.44	0.01		43	

Permit Number: 9476 / PSDTX886M1					Issuance Date: 07/12/2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/ hour	TPY(4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
TNK191D	Cold Mill Coolant Tank No. 4 Vent	VOC	0.22	0.03		43	
TNK191E	Cold Mill Coolant Tank No. 5 Vent	VOC	0.22	0.03		43	
TNK191F	Cold Mill Coolant Tank No. 6 Vent	VOC	0.22	0.01		43	
TNK192A	Hot Mill Coolant Tank No. 1 Vent	VOC	<0.01	<0.01		43	
TNK192B	Hot Mill Coolant Tank No. 2 Vent	VOC	<0.01	<0.01		43	
TNK192C	Hot Mill Coolant Tank No. 3 Vent	VOC	<0.01	<0.01		43	
TNK191-LL	Truck Loading Fugitives (5)	VOC	0.63	<0.01		21, 43	

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
Pb - lead
Cr - chromium
D/F dioxins/furans

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Alumax Mill Products, Inc.
Authorizing the Continued Operation of
Secondary Aluminum Production Facility
Located at **Texarkana, Bowie County, Texas**
Latitude 33° 27′ 3″ Longitude –94° 8′ 17″

Permits: 9476 and PSDTX886M1
Issuance Date: July 12, 2017
Expiration Date: July 12, 2027

Bryan W. Shaw
For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] [1]

2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]

3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]

4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]

5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible

for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]

7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]

9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]

10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]

11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]

12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]

13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.

14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Special Conditions

Permit Numbers 9476 and PSDTX886M1

Emission Limitations

1. This permit authorizes those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission rates and other conditions specified in the table. In addition, this permit authorizes all emissions from planned startup and shutdown activities associated with facilities or groups of facilities that are authorized by this permit.

Fuel Specifications

2. Fuel for all combustion units at this facility shall be pipeline-quality natural gas. Use of any other fuel will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ).

Federal Applicability

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources in Title 40 Code of Federal Regulations (40 CFR) Part 60, specifically the following:

   A. Subpart A - General Provisions; and

   B. Subpart TT - Metal Coil Surface Coating.

4. These facilities shall comply with all applicable requirements of the EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63, specifically the following:

   A. Subpart A - General Provisions;

   B. Subpart RRR - Secondary Aluminum Production;

   C. Subpart SSSS - Surface Coating of Metal Coil; and

   D. Subpart DDDDD - Industrial/Commercial/Institutional Boilers and Process Heaters.

Opacity/Visible Emission Limitations

5. Opacity of particulate matter emissions from any emission point at the plant except Emission Point Nos. (EPNs) TNK191A, TNK191B, TNK191C, TNK191D, TNK191E, TNK191F, TNK192A, TNK192B, and TNK192C shall not exceed 10 percent, averaged over a six-minute period, except during scheduled or planned maintenance, startup, or shutdown (MSS) activities (such as those times described in 30 Texas Administrative Code (30 TAC) § 101.211). One exception shall be during furnace charging times for the dome furnace (EPN 051) when opacity shall not exceed 20 percent when averaged over any six-minute period.

6. There shall be no visible fugitive emissions from EPNs TNK191A, TNK191B, TNK191C, TNK191D, TNK191E, TNK191F, TNK192A, TNK192B, and TNK192C for more than 30 cumulative seconds in any six-minute period, except for those periods described in 30 TAC §§ 101.201 and 101.211.

Operational Limitations, Work Practices, and Plant Design

7. Disposal of baghouse dust and cyclone dust shall be accomplished in a manner that will prevent the material from becoming airborne.

8. Production at this facility shall be limited to 286,000 tons per year (tpy) of cast ingot to be processed in the rolling mill.

9. As represented by the applicant, fabric filter baghouses, properly installed and in good working order, shall control particulate matter (PM) emissions from the Well Furnace Hoods (EPNs 011 and 011A), the Scalper (EPN 081), and the Rubber Roll Shop (EPN 182).

10. Fabric filter baghouses designed to meet an outlet grain loading of not more than 0.01 grains per dry standard cubic foot of exhaust each, properly installed and in good working order, shall control particulate matter emissions from the Well Furnace, Scalper, and the Rubber Roll Shop when this equipment is in operation.

11. Stacks on all three holding furnaces shall have a height of at least 104 feet.

12. Well Furnace Baghouse No. 2 Stack (EPN 011A) shall employ a reagent injection system to control hydrogen chloride (HCl) emissions. A reagent injection system, or an equivalent HCl emission control system, shall be employed on Well Furnace Baghouse No. 1 Stack (EPN 011).

13. The cold rolling mill (EPN 121) shall employ capture hoods that route emissions through a cyclonic mist eliminator (Busch Purifier) and ultra-high efficiency (UHF) filter system.

14. A mist eliminator shall be employed to control hot rolling mill emissions exhausted at EPN 111.

15. The dome furnace is limited to the melting of "clean charge" aluminum only as defined by the Secondary Aluminum NESHAP 40 CFR Part 63, Subpart RRR.

16. Cooling lubricant used by the cold rolling mill shall be limited to Kensol 50T or its chemical equivalent.

17. Scrap aluminum containing lacquer, ink, plastic, and/or rubber received from outside sources for processing shall be conditioned by a batch decoating/delacquering and drying system, i.e., RODECS system. This system shall employ a ceramic filter to control particulate matter, an afterburner to control carbon monoxide (CO) and volatile organic compounds (VOC) emissions, and dry reagent injection to control acid emissions.

A. The RODECS system production/throughput is limited to 7.72 tons per hour and 43,960 tpy.

B. The RODECS afterburner combustion chamber operating temperature shall be a minimum of 1,400 degrees Fahrenheit.

C. The RODECS ceramic filter exhausting at EPN 001 shall be designed to meet an outlet grain loading not greater than 0.01 gr/dscf.

18. The casting area and hot mill cooling towers process water shall not have direct contact with gaseous or liquid streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases.

19. The six 25,000-gallon cold mill coolant storage tanks are authorized for the storage of Kensol or its chemical equivalent.

20. The three 30,000-gallon hot mill coolant storage tanks are authorized for the storage of mineral oil emulsion or its chemical equivalent.

21. Truck loading operations of spent Kensol are limited to 6,000 gallons per hour and 72,000 gallons per year.

22. The VOC waste streams of the coating lines shall be exhausted through thermal oxidizers. The area between each coater room and curing oven shall be equipped with a vent hood which adequately captures fumes from the coating. These hoods shall each vent to the curing oven and ultimately to the thermal oxidizer.

    The ventilation systems shall achieve a capture efficiency of 100 percent. The coating lines shall not be operated until the thermal oxidizers are at operating temperatures. The thermal oxidizers shall each achieve a minimum overall destruction efficiency of 99 percent.

23. The roll coating processes shall only be in operation while a negative pressure is maintained in each of the following areas: paint mixing room, coater room, and the hood (between the coater room and the associated ovens). This negative pressure is to ensure fugitive emissions are not being released from the referenced areas.

24. The fan systems shall be in operation during and no less than 30 minutes after painting and cleaning operations have been completed.

25. All doors at the coatings operation rooms shall remain shut at all times when coating operations are in progress, except when in actual use for ingress and egress of personnel, parts, and materials.

26. The coatings raw material usage for this facility shall be limited as follows:

Table 1: Maximum Annual Coating Usage

Coating	Annual Usage (gallons per year)
Primer Coating	212,857
Top (Finish) Coating	596,000

27. The Primer Coat Thermal Oxidizer Stack (EPN 181A) shall not be equipped with rain protection that causes restrictions or obstructions to vertical flow. Emissions from this stack shall be exhausted vertically through an elevated stack with a minimum height from ground level of 68 feet.

28. The holder of this permit shall install, calibrate, and maintain a temperature monitor to continuously measure and record the exit temperature of the combustion chamber of each coil coating thermal oxidizer and the RODECS system afterburner.

    A. The temperature in the combustion chambers of each coil coating thermal oxidizer shall be greater than or equal to 1400°F.

    B. The three-hour block average temperature at the RODECS system afterburner shall be greater than or equal to 1400°F.

29. The holder of this permit shall exercise good housekeeping procedures to minimize fugitive emissions from the coil coating facility, including the following:

    A. Sponges or cloths that have been used for cleaning shall be stored in sealed containers for proper disposal monthly.

    B. Any spill shall be cleaned immediately.

    C. All equipment shall be maintained according to manufacturers' instructions.

30. The operations/processes listed in the following table operate per the criteria of the referenced Standard Exemption (SE)/Permit by Rule (PBR) and are incorporated by reference:

Table 2: Authorizations Incorporated by Reference

Operation/Process	SE No./PBR No	Registration No.
Ink Stenciling	106.418	111449
Ink Stenciling	106.418	46850
Vacuum Producing Devices	106.123	N/A
Cooling Tower	106 (October 7, 1994)	111451

Chemical Flexibility

31. The following list of coating constituents were evaluated as part of the permit for chemical and product substitution:

A. Acetone
B. Diacetone Alcohol
C. Aromatic Naphtha
D. Dimethyl Benzene
E. Butoxyethanol
F. Dipropylene Glycol Methyl Ethyl Acetate
G. Butyl Acetate, n
H. Ethanol
I. Butyl Acetate, sec
J. Ethyl Benzene
K. Cyclohexanone
L. Dibutylin Dilaurate
M. Diethylene Glycol Monobutyl Ethyl Ether
N. Dimethylaminoethanol
O. Dimethyl Glutarate
P. Dimethyl Succinate
Q. Ethylene Glycol Methyl Ether
R. Ethylene Glycol Monobutyl Ether
S. Ethylene Glycol Monoethyl Ether Acetate
T. Formaldehyde
U. Hexane, n
V. Isobutyl Alcohol
W. Isopropyl Acetate
X. Isopropanol
Y. Methyl Alcohol
Z. Methyl Amyl Ketone
AA. Methyl Ethyl Ketone
BB. Methyl Isobutyl Ketone
CC. N-butyl Alcohol

DD. Propoxyethanol

EE. Trimethyl Benzene

FF. Toluene

GG. V M and P Naphtha

HH. Xylene, Mixed Isomers

II. Xylene, p-

The application rates for the top (finish) coating and primer coating are 1,190 pounds per hour (lb/hr) and 860 lb/hr, respectively. Each coating constituent was evaluated at a maximum application rate of 2,050 lb/hr total, with the exception of ethylene glycol methyl ether. The application rate for ethylene glycol methyl ether shall not exceed 1,300 lb/hr from both coating lines combined.

32. This permit allows the use of VOC and non-VOC containing compounds or products which meet the following conditions:

A. The new or replacement compound or product shall serve the same basic process function and the emissions shall be emitted from the same location as the replaced compound or product emissions.

B. The Effects Screening Level (ESL) for any new or replacement compound or product shall not be less than the ESL value for any current compound or product and the emission rate (ER) for the replacement compound or product shall not be greater than the ER for the current compound or product, except if the following condition is met:

where: there is a direct substitution of one chemical for another

$$\frac{ER2}{ESL2} \leq \frac{ER1}{ESL1}$$

OR

where: the replacement has different constituents

$$\frac{ER2a}{ESL2a} + \frac{ER2b}{ESL2b} + \cdots + \frac{ER2n}{ESL2n} \leq \frac{ER1a}{ESL1a} + \frac{ER1b}{ESL1b} + \cdots + \frac{ER1n}{ESL1n}$$

where:

ER1 is the ER of an authorized compound or product (chemical).

ER2 is the ER of the replacement compound or product (chemical).

ESL1 is the ESL for an authorized compound or product.

ESL2 is the ESL for the replacement compound or product.

The ESL shall be taken from the permit application or the current TCEQ ESL list. The use of new chemicals not listed in the current TCEQ ESL list will require that the

TCEQ Toxicology Division develop an ESL for each chemical to be applied in the ratio test set forth above.

Records as required in Recordkeeping Requirements section shall be maintained at this site by the permit holder to demonstrate compliance with this condition and Special Condition No. 1 above.

C. This condition allows for changes in chemical formulations and does not allow for any increase in total emissions from any emission point.

Demonstration of Continuous Compliance

33. At the request of the TCEQ Executive Director, the holder of this permit shall perform stack sampling and capture efficiency testing to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the primer-coat coating line. Simultaneous inlet and outlet testing shall be performed on the coating line thermal oxidizer to determine the thermal destruction efficiency for VOC. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

A. The ventilation system shall achieve a capture efficiency of 100 percent and the minimum thermal destruction efficiency of the coating line thermal oxidizer shall be 99 percent. If the stack test results indicate less than a 100 percent capture efficiency and/or a destruction efficiency of less than 99 percent, the permit holder must take corrective action to achieve compliance and retest within 30 days of receipt of the initial test results.

B. The appropriate TCEQ Regional Office in the region where the source is located shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

(1) Date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

C. Air contaminants emitted from the coating line thermal oxidizer stack to be tested for include (but are not limited to) total gaseous nonmethane organics.

D. Sampling shall occur at such times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Parts 60 and 61 requires EPA approval, and requests shall be submitted to the TCEQ Regional Office.

E. The plant shall operate at maximum production rates during stack emission testing and capture efficiency testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the plant is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

F. One copy of the final sampling report shall be forwarded to the TCEQ within 30 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The report shall be distributed to the TCEQ Tyler Regional Office.

Compliance Assurance Monitoring

34. The holder of this permit shall install, calibrate, and maintain a device to detect leaks in the baghouses associated with Well Furnace 1 and 2 (EPNs 011 and 011A), and the RODECS system (EPN 01).

A. Each bag leak detection system must be installed, calibrated, operated, and maintained according to the manufacturer's operating instructions.

B. The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

C. The bag leak detection system sensor must provide output of relative or absolute PM loadings.

D. The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.

E. The bag leak detection system must be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm must be located where it is easily heard by plant operating personnel.

F. The baseline output must be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.

G. Following initial adjustment of the system, the owner or operator must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the operations, maintenance and monitoring (OM&M) plan. In no case may the sensitivity be increased by more than 100 percent or decreased more than 50 percent over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.

35. The holder of this permit shall install, calibrate, and maintain a device to monitor and record temperature in the RODECS system afterburner exhausting at EPN 001. The monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 2% of reading; or 2.5 degrees Celsius.

    The minimum temperature shall be maintained at (or above) 1400°F. The temperature shall be recorded at least four times per hour. One-hour averages shall be computed from the data points recorded in that hour.

36. The holder of this permit shall install, calibrate, and maintain a device to monitor and record temperature in the Finish Coat thermal oxidizer exhausting at EPN 181. The monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 2% of reading; or 2.5 degrees Celsius.

    The minimum temperature shall be maintained at (or above) 1400°F. The temperature shall be recorded at least four times per hour. One-hour averages shall be computed from the data points recorded in that hour

37. The holder of this permit shall install, calibrate, and maintain a device to monitor and record temperature in the Prime Coat thermal oxidizer exhausting at EPN 181A. The monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 2% of reading; or 2.5 degrees Celsius.

    The minimum temperature shall be maintained at (or above) 1400°F. The temperature shall be recorded at least four times per hour. One-hour averages shall be computed from the data points recorded in that hour

38. The holder of this permit shall install, calibrate, and maintain a device to monitor and record pressure drop in the UHF filter exhausting at EPN 121. The monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.

    A minimum and maximum pressure drop shall be maintained at (or above) 13 inches water gauge pressure and below 14.5 inches water gauge pressure The actual pressure drop shall be recorded at least four times per hour. One-hour averages shall be computed from the data points recorded in that hour.

39. Within 90 operating days after restart of the cold rolling mill authorized in this New Source Review permit following issuance of the 2016 renewal, the holder of this permit shall submit a permit alteration to update this special condition to establish pressure drop limits for the Busch Purifier, employed to control cold rolling mill emissions, in units of inches of water.

The holder of this permit shall install, calibrate, operate, and maintain a device to monitor and record pressure drop in the Busch Purifier. Each monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.

A minimum and maximum pressure drop shall be maintained at (or above) the value established by the holder of this permit in inches of water gauge and below the value established by the holder of this permit in inches of water gauge. The actual pressure drop shall be recorded at least four times per hour. One-hour averages shall be computed from the data points recorded in that hour.

40. The cold rolling mill control devices shall not have a bypass.

41. The TCEQ Regional Office shall be notified as soon as possible after the discovery of any monitor malfunction which is expected to result in more than 24 hours of lost data. Supplemental visible emission monitoring may be required at the discretion of the appropriate TCEQ Regional Director in case of extended monitor downtime. Necessary corrective action shall be taken if downtime exceeds 5 percent of the (emission sources) operating hours in a quarter. Failure to complete any corrective action as directed by the TCEQ Regional Office may be deemed a violation of the permit.

42. The RODECS system shall be subject to the monitoring requirements of NESHAPS for Secondary Aluminum Production in 40 CFR Part 63, Subparts A and RRR.

Recordkeeping Requirements

43. Records shall be maintained at this facility site and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction to demonstrate compliance with permit limitations. These records shall be totaled for each calendar month, retained for a rolling 60-month period, and include the following:

    A. Preventative maintenance, scheduled maintenance, and repair maintenance performed on any abatement device shall be recorded as they occur.

    B. Duration of start-up, shutdown, or malfunctions in the process and malfunctions of any air pollution abatement device systems.

    C. Records of total solvent consumption and calculated VOC emissions (excluding combustion emissions) from the coil coating thermal oxidizers shall be maintained in sufficient detail to satisfy the following requirements:

        (1) Records shall be maintained for each individual solvent that is used in the coil coating operations.

        (2) Records shall be kept showing the average hourly usage of each individual solvent, based on a 12-hour shift, for any given month and the cumulative monthly and annual total in pounds and gallons.

(3) Records shall be maintained for the most recent 24 months on a rolling 24-month basis.

(4) Calculated VOC emissions shall be based on the thermal destruction efficiency of each thermal oxidizer as determined from stack testing. The VOC emissions shall be calculated as an average hourly rate based on a 12-hour shift.

(5) The daily, monthly, and annual records shall be kept in a central location with examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.

D. Coated coil production shall be kept on a monthly and annual basis.

E. The company shall maintain records of the amount of aluminum feed to the rolling mill derived from external and purchased scrap and the amount from imported aluminum ingots.

F. Records of the exit temperature of the combustion chamber of each coil coating thermal oxidizer and RODECS afterburner.

G. Records required by Standards of Performance for New Stationary Sources promulgated for Metal Coil Surface Coating in 40 CFR Part 60, Subparts A and TT, NESHAPS for Secondary Aluminum Production in 40 CFR Part 63, Subparts A and RRR, and NESHAPS for Surface Coating of Metal Coil in 40 CFR Part 63, Subparts A and SSSS.

H. Records to demonstrate compliance with monitoring requirements.

I. Type of materials used and safety data sheets for each material

44. The following records shall be maintained at this facility site and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction. These records shall be retained for a rolling 60-month period

A. All monitoring data and support information as specified in 30 TAC § 122.144; and

B. Inspections of capture systems and abatement devices shall be recorded as they occur.

Date: 7-12-17

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9476 and PSDTX886M1

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
001	RODECS Baghouse Stack	PM	0.46	1.32
		PM_{10}	0.46	1.32
		$PM_{2.5}$	0.46	1.32
		VOC	0.31	0.88
		NO_x	4.01	11.43
		SO_2	0.02	0.08
		CO	2.47	10.82
		HCl	1.54	4.40
		D/F	1.54E-08	4.94E-08
011	Well Furnace Hood Baghouse No. 1 Stack	PM	4.29	18.77
		PM_{10}	4.29	18.77
		$PM_{2.5}$	4.29	18.77
		HCl	0.25	1.10
		HF	0.01	0.04
		Pb	0.04	0.14
		Cr	<0.01	0.01
		D/F	2.28E-07	9.99E-07
011A	Well Furnace Hood Baghouse No. 2 Stack	PM	2.60	11.39
		PM_{10}	2.60	11.39
		$PM_{2.5}$	2.60	11.39
		HCl	0.25	1.10
		HF	0.01	0.04
		Pb	0.04	0.14
		Cr	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		D/F	2.28E-07	9.99E-07
026	Sow Dryer Stack	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.07	0.31
		NO_x	0.95	4.14
		CO	0.79	3.47
		VOC	0.05	0.23
		SO_2	<0.01	<0.03
031	Well Furnace No. 1 Stack	PM	1.31	5.74
		PM_{10}	1.31	5.74
		$PM_{2.5}$	1.31	5.74
		VOC	0.50	2.19
		NO_x	1.87	8.19
		SO_2	0.20	0.88
		CO	2.88	12.61
		HCl	0.05	0.22
		HF	<0.01	0.02
031A	Well Furnace No. 3 Stack	PM	1.31	5.74
		PM_{10}	1.31	5.74
		$PM_{2.5}$	1.31	5.74
		VOC	0.50	2.19
		NO_x	1.87	8.19
		SO_2	0.20	0.88
		CO	2.88	12.61
		HCl	0.05	0.22
		HF	<0.01	0.02
041	Well Furnace No. 2	PM	1.31	5.74

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Stack	PM_{10}	1.31	5.74
		$PM_{2.5}$	1.31	5.74
		VOC	0.50	2.19
		NO_x	1.87	8.19
		SO_2	0.20	0.88
		CO	2.88	12.61
		HCl	0.05	0.22
		HF	<0.01	0.02
041A	Well Furnace No. 4 Stack	PM	1.31	5.74
		PM_{10}	1.31	5.74
		$PM_{2.5}$	1.31	5.74
		VOC	0.50	2.19
		NO_x	1.87	8.19
		SO_2	0.20	0.88
		CO	2.88	12.61
		HCl	0.05	0.22
		HF	<0.01	0.02
051	Dome Furnace Stack	PM	9.11	39.90
		PM_{10}	9.11	39.90
		$PM_{2.5}$	9.11	39.90
		VOC	0.19	0.83
		NO_x	2.44	10.69
		SO_2	0.02	0.09
		CO	2.49	10.91
061	Holding Furnace No. 1 Stack	PM	0.44	1.93
		PM_{10}	0.44	1.93
		$PM_{2.5}$	0.44	1.93

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		VOC	0.04	0.17
		NO_x	0.98	4.29
		SO_2	<0.01	0.02
		CO	0.58	2.52
		HCl	1.00	4.38
061A	Holding Furnace No. 3 Stack	PM	0.44	1.93
		PM_{10}	0.44	1.93
		$PM_{2.5}$	0.44	1.93
		VOC	0.04	0.17
		NO_x	0.98	4.29
		SO_2	<0.01	0.02
		CO	0.58	2.52
		HCl	1.00	4.38
071	Holding Furnace No. 2 Stack	PM	0.44	1.93
		PM_{10}	0.44	1.93
		$PM_{2.5}$	0.44	1.93
		VOC	0.04	0.17
		NO_x	0.98	4.29
		SO_2	<0.01	0.02
		CO	0.58	2.52
		HCl	1.00	4.38
076	Casting Area Cooling Tower Fugitives (5)	PM	0.20	0.88
		PM_{10}	0.20	0.88
		$PM_{2.5}$	0.20	0.88
		VOC	<0.01	<0.01
081	Scalper Baghouse Stack	PM	0.20	0.87
		PM_{10}	0.20	0.87

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.20	0.87
091	Preheat Furnace No. 1 Stack	PM	0.84	3.68
		PM_{10}	0.84	3.68
		$PM_{2.5}$	0.84	3.68
		VOC	0.35	1.54
		NO_x	6.37	27.91
		SO_2	0.04	0.17
		CO	5.35	23.45
091A	Preheat Furnace No. 3 Stack	PM	0.84	3.68
		PM_{10}	0.84	3.68
		$PM_{2.5}$	0.84	3.68
		VOC	0.26	1.13
		NO_x	3.19	13.96
		SO_2	0.03	0.12
		CO	3.52	15.42
101	Preheat Furnace No. 2 Stack	PM	0.84	3.68
		PM_{10}	0.84	3.68
		$PM_{2.5}$	0.84	3.68
		VOC	0.13	0.57
		NO_x	1.60	7.01
		SO_2	0.04	0.17
		CO	1.14	4.99
111	Hot Rolling Mill Stack	PM	3.00	13.14
		PM_{10}	3.00	13.14
		$PM_{2.5}$	3.00	13.14
		VOC	8.00	35.04
116	Hot Mill Cooling	PM	0.78	3.41

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Tower Fugitives (5)	PM_{10}	0.78	3.41
		$PM_{2.5}$	0.78	3.41
		VOC	<0.01	<0.01
121	Cold Rolling Mill Stack	PM	3.00	13.14
		PM_{10}	3.00	13.14
		$PM_{2.5}$	3.00	13.14
		VOC	34.78	152.34
131	Annealing Furnace No. 1 Stack	PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
		VOC	1.42	2.15
		NO_x	0.50	2.19
		SO_2	0.01	0.04
		CO	1.38	6.06
141	Annealing Furnace No. 2 Stack	PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
		VOC	1.42	2.15
		NO_x	0.50	2.19
		SO_2	0.01	0.04
		CO	1.38	6.06
151	Annealing Furnace No. 3 Stack	PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
		VOC	1.42	2.15
		NO_x	0.50	2.19
		SO_2	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		CO	1.38	6.06
161	Annealing Furnace No. 4 Stack	PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
		VOC	1.42	2.15
		NO_x	0.50	2.19
		SO_2	0.01	0.04
		CO	1.38	6.06
161A	Annealing Furnace No. 5 Stack	PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
		VOC	1.42	2.15
		NO_x	0.50	2.19
		SO_2	0.01	0.04
		CO	1.38	6.06
161B	Annealing Furnace No. 6 Stack	PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
		VOC	1.42	2.15
		NO_x	0.50	2.19
		SO_2	0.01	0.04
		CO	1.38	6.06
161C	Annealing Furnace No. 7 Stack	PM	0.17	0.73
		PM_{10}	0.17	0.73
		$PM_{2.5}$	0.17	0.73
		VOC	1.45	2.28
		NO_x	0.67	2.92

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		SO_2	0.01	0.06
		CO	1.85	8.08
161D	Annealing Furnace No. 8 Stack	PM	0.17	0.73
		PM_{10}	0.17	0.73
		$PM_{2.5}$	0.17	0.73
		VOC	1.45	2.28
		NO_x	0.67	2.92
		SO_2	0.01	0.06
		CO	1.85	8.08
181	Top (Finish) Coat Thermal Oxidizer Stack	PM	0.26	1.14
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.26	1.14
		VOC	11.90	52.12
		NO_x	3.43	15.03
		SO_2	0.02	0.09
		CO	2.88	12.62
181A	Primer Coat Thermal Oxidizer Stack	PM	0.26	1.14
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.26	1.14
		VOC	8.60	24.53
		NO_x	3.43	15.03
		SO_2	0.02	0.09
		CO	2.88	12.62
181B	Heater Vent	PM	0.08	0.35
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.08	0.35
		VOC	0.06	0.25

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		NO_x	1.05	4.59
		SO_2	0.01	0.03
		CO	0.88	3.85
181C	Hot Mill Sentry Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		VOC	<0.01	<0.04
		NO_x	0.14	0.60
		SO_2	<0.001	<0.01
		CO	0.12	0.51
181D	Strip Dryer Heater Stack	PM	0.01	0.09
		PM_{10}	0.01	0.09
		$PM_{2.5}$	0.01	0.09
		VOC	0.01	0.04
		NO_x	0.15	0.64
		SO_2	<0.01	<0.01
		CO	0.12	0.54
182	Rubber Roll Shop Baghouse Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		Cr	<0.01	<0.01
183	Dross Loading Fugitives (5)	PM	0.02	0.07
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
TNK191A	Cold Mill Coolant Tank No. 1 Vent	VOC	0.44	0.01
TNK191B	Cold Mill Coolant Tank No. 2 Vent	VOC	0.44	0.01
TNK191C	Cold Mill Coolant	VOC	0.44	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Tank No. 3 Vent			
TNK191D	Cold Mill Coolant Tank No. 4 Vent	VOC	0.22	0.03
TNK191E	Cold Mill Coolant Tank No. 5 Vent	VOC	0.22	0.03
TNK191F	Cold Mill Coolant Tank No. 6 Vent	VOC	0.22	0.01
TNK192A	Hot Mill Coolant Tank No. 1 Vent	VOC	<0.01	<0.01
TNK192B	Hot Mill Coolant Tank No. 2 Vent	VOC	<0.01	<0.01
TNK192C	Hot Mill Coolant Tank No. 3 Vent	VOC	<0.01	<0.01
TNK191-LL	Truck Loading Fugitives (5)	VOC	0.63	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen flouride
Pb - lead
Cr - chromium
D/F - dioxins/furans
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit

Date: 7-12-17